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FIBER ORGANON

Formerly Textile Organon

Volume 61, No. 3 ☐ March 1990

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Manufactured Fiber Producing Industry Employment in Selected Countries... see page 51.
- 1989: A Year in Perspective...begins on page 52.
- Quarterly Manufactured Fiber Data ..see pages 66 - 67.

SHIPMENTS:

In February, total manufactured fiber shipments reached 705 million pounds, slightly above the 702 million pounds shipped in January and 5% below the 744 million pounds shipped in February 1989.

February shipments of synthetic (noncellulosic) filament rose 3% to 340 million pounds and staple+tow fell 1% to 326 million pounds.

Contributing to the increase in shipments over the previous month were nylon industrial yarn up 22% or 5 million pounds, olefin staple+tow up 14% or 4 million pounds and olefin yarn up 9 million pounds or 9%.

Year-to-date domestic shipments of manufactured fiber are down 5% and exports are down 22%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1990 FEB	1990 JAN	% CHG 2/90 - 1/90	1989 FEB	% CHG 2/90 - 2/89	YEAR TO DATE 1990	YEAR TO DATE 1989	% CHG YTD 1990 - 1989
ARTIFICIAL (CELLULOSIC)								
YARN	15.4	15.1	*+2.0*	17.1	*-9.9*	30.5	34.4	*-11.3*
RAYON STAPLE	23.8	28.9	*-17.6*	32.1	*-25.9*	52.7	66.6	*-20.9*
TOTAL ARTIFICIAL (CELL.)	**39.2**	**44.0**	***-10.9***	**49.2**	***-20.3***	**83.2**	**101.0**	***-17.6***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	30.3	24.9	*+21.7*	30.5	*-0.7*	55.2	61.8	*-10.7*
- CARPET	81.1	86.5	*-6.2*	77.2	*+5.1*	167.6	152.1	*+10.2*
- TEXTILE[a]	28.1	28.3	*-2.4*	33.2	*-15.4*	56.9	67.1	*-15.2*
POLYESTER - INDUSTRIAL	28.6	27.2	*+5.1*	29.7	*-3.7*	55.8	58.3	*-4.3*
- TEXTILE[a]	56.2	56.6	*-0.7*	71.2	*-21.1*	112.8	144.4	*-21.9*
OLEFIN	115.4	106.1	*+8.8*	104.3	*+10.6*	221.5	209.6	*+5.7*
TOTAL YARN	**339.7**	**330.1**	***+2.9***	**346.1**	***-1.8***	**669.8**	**693.3**	***-3.4***
STAPLE+TOW+FIBERFILL								
NYLON	74.9	88.9	*-15.7*	78.4	*-4.5*	163.8	160.7	*+1.9*
ACRYLIC+MODACRYLIC	39.6	40.3	*-1.7*	46.2	*-14.3*	79.9	87.9	*-9.1*
POLYESTER	177.3	168.6	*+5.2*	192.1	*-7.7*	345.9	397.9	*-13.1*
OLEFIN	34.5	30.3	*+13.9*	31.6	*+9.2*	64.8	62.7	*+3.3*
TOTAL STAPLE	**326.3**	**328.1**	***-0.5***	**348.3**	***-6.3***	**654.4**	**709.2**	***-7.7***
TOTAL SYNTHETIC (NONCELL.)	**666.0**	**658.2**	***+1.2***	**694.4**	***-4.1***	**1324.2**	**1402.5**	***-5.6***
TOTAL MANUFACTURED FIBER	**705.2**	**702.2**	***+0.4***	**743.6**	***-5.2***	**1407.4**	**1503.5**	***-6.4***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS[b]	669.6	669.1	*+0.1*	701.6	*-4.6*	1338.7	1415.1	*-5.4*
EXPORTS[c]	35.6	33.1	*+7.6*	42.0	*-15.2*	68.7	88.4	*-22.3*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

March 1990

Fiber Organon

A Monthly Review
Formerly ***Textile Organon***

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GRAPH 1:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

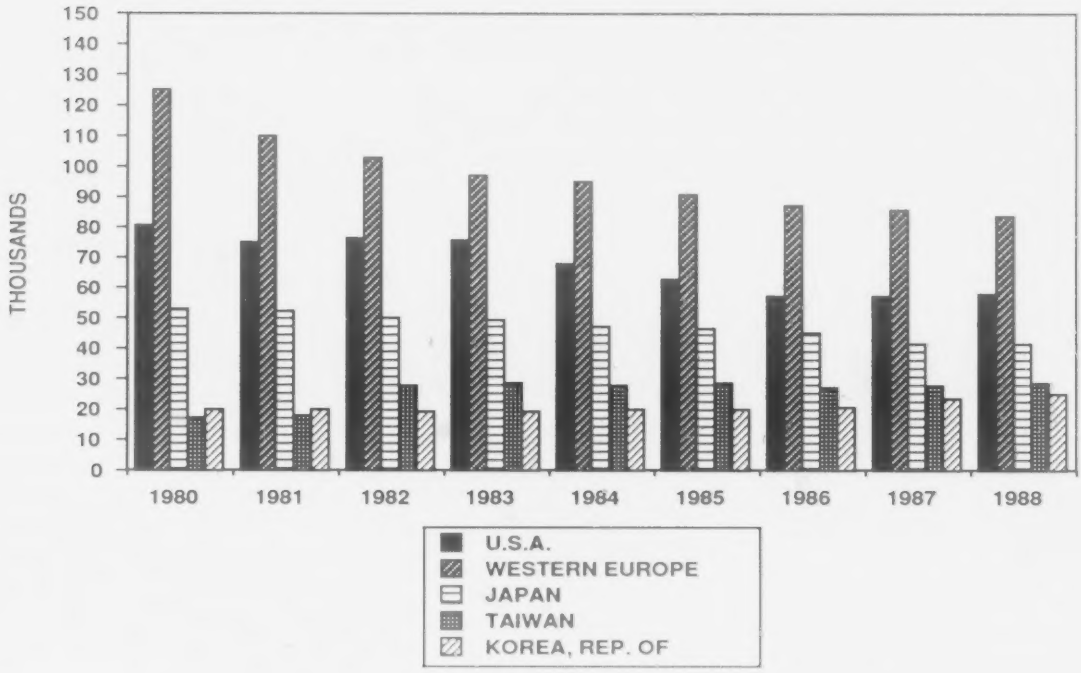


TABLE 2:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

YEAR	COUNTRY				
	U.S.A.	WESTERN EUROPE	JAPAN	TAIWAN	KOREA, REP. OF
1980	81,000	124,965	53,105	17,500	19,885
1981	74,800	109,837	52,130	18,005	19,745
1982	76,511	102,865	49,695	28,065	19,220
1983	75,418	97,425	49,200	26,575	19,230
1984	68,184	95,290	46,885	27,785	19,830
1985	62,558	90,700	46,195	28,375	20,325
1986	57,276	87,360	45,235	27,110	21,055
1987	57,090	85,385	41,570	27,600	23,335
1988	58,097	83,308	41,559	28,365	25,345

SOURCE: C.I.R.F.S., Taiwan Man-Made Fiber Industry and *Fiber Organon* estimate
NOTE: Data include production, administration and technical department personnel.

1989: A YEAR IN PERSPECTIVE

In 1989, U.S. mill consumption of manufactured fiber decreased by 1%. This decrease in annual consumption compares to cotton mill consumption which rose by 14% and a decline of 1% in the wool mill consumption. (Graph 2)

The reason for the decline in manufactured fiber mill consumption was a decline in nylon consumption of 4% in 1989.

In comparing the total 1989 mill consumption for manufactured fiber, cotton and wool, cotton registered an increase in market share over manufactured fiber. In 1989, the manufactured fiber share of total mill consumption fell to 69%, while cotton rose to 30% and wool stood the same at 1%. (Table 4)

In 1989, exports of manufactured fiber, cotton and wool manufactures rose to 1,133 million pounds, 8% above the 1988 level of 1,045 million pounds. (Table 9)

In 1989, domestic consumption of manufactured fiber totaled 10,056 million pounds, virtually unchanged from last year, cotton totaled 6,017 million pounds, an increase of 14% and wool totaled 336 million pounds, down 9%. (Table 9)

Imports of manufactures rose by 9% in 1989 to 4,475 million pounds. Imports represented over 27% of domestic consumption in 1989. This compares to 26% in 1988, 27% in 1987 and 26% in 1986. (Table 9)

TABLE 3:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE [a]	NYLON [b]	POLYESTER	ACRYLIC [c]	OLEFIN	COTTON	WOOL	TOTAL
1979	0.5	0.3	2.7	3.7	0.6	0.7	3.1	0.1	11.7
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	11.1
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	10.6
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	10.9
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	10.6
1985	0.5 [d]		2.6	3.1	0.5	1.4	2.8	0.1	11.0
1986	0.6 [d]		2.5	3.2	0.6	1.5	3.3	0.2	11.9
1987	0.6 [d]		2.7	3.5	0.5	1.6	3.7	0.2	12.8
1988	0.6 [d]		2.7	3.6	0.5	1.5	3.5	0.2	12.6
1989	0.6 [d]		2.6	3.6	0.5	1.7	3.9	0.2	13.1

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.
b. Includes Aramid for all years except 1983-1989.
c. Includes modacrylic.
d. Rayon and acetate combined.

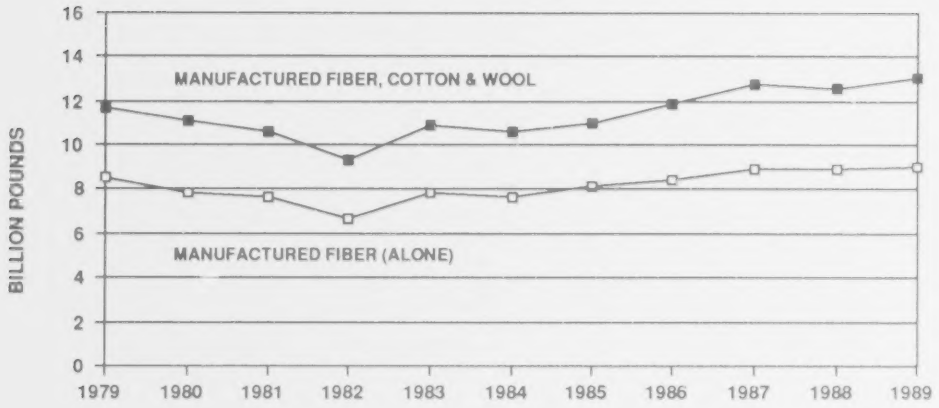
TABLE 4:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL
MILLION POUNDS & *PERCENT*

YEAR	MANUFACTURED FIBER	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	TOTAL	% [a]	% [b]
1979	8523.4	*+2.2*	*72.7*	3066.4	*+0.9*	*26.2*	134.4	*-5.1*	*1.1*	11724.2	*+1.7*	*100.0*
1980	7885.7	*-7.5*	*71.2*	3064.4	*-0.1*	*27.6*	137.8	*+2.5*	*1.2*	11087.9	*-5.4*	*100.0*
1981	7721.5	*-2.1*	*72.9*	2730.8	*-10.9*	*25.7*	152.7	*+10.8*	*1.4*	10605.0	*-4.4*	*100.0*
1982	6653.5	*-13.8*	*71.8*	2478.9	*-9.2*	*26.8*	129.5	*-15.2*	*1.4*	9261.9	*-12.7*	*100.0*
1983	7994.5	*+20.2*	*73.0*	2795.7	*+12.8*	*25.5*	162.5	*+25.5*	*1.5*	10952.7	*+18.3*	*100.0*
1984	7789.5	*-2.6*	*73.4*	2668.2	*-4.6*	*25.1*	163.2	*+0.4*	*1.5*	10620.9	*-3.0*	*100.0*
1985	8035.5	*+3.2*	*73.3*	2796.0	*+4.8*	*25.5*	134.7	*-17.5*	*1.2*	10966.2	*+3.3*	*100.0*
1986	8453.9	*+5.2*	*70.9*	3301.7	*+18.1*	*27.7*	164.5	*+22.1*	*1.4*	11920.1	*+8.7*	*100.0*
1987	8861.7	*+4.8*	*69.4*	3736.5	*+13.2*	*29.3*	167.6	*+1.9*	*1.3*	12765.8	*+7.1*	*100.0*
1988	9017.4	*+1.8*	*71.4*	3470.1	*-7.1*	*27.4*	156.1	*-6.9*	*1.2*	12643.6	*-1.0*	*100.0*
1989	8976.4	*-0.5*	*68.7*	3937.1	*+13.5*	*30.1*	153.9	*-1.4*	*1.2*	13067.4	*+3.4*	*100.0*

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

a. Percent change from year to year.
b. Percent of total fiber consumption.

GRAPH 2:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER,
COTTON & WOOL



GRAPH 3:
DOMESTIC CONSUMPTION DETAIL:
MANUFACTURED FIBER, COTTON & WOOL

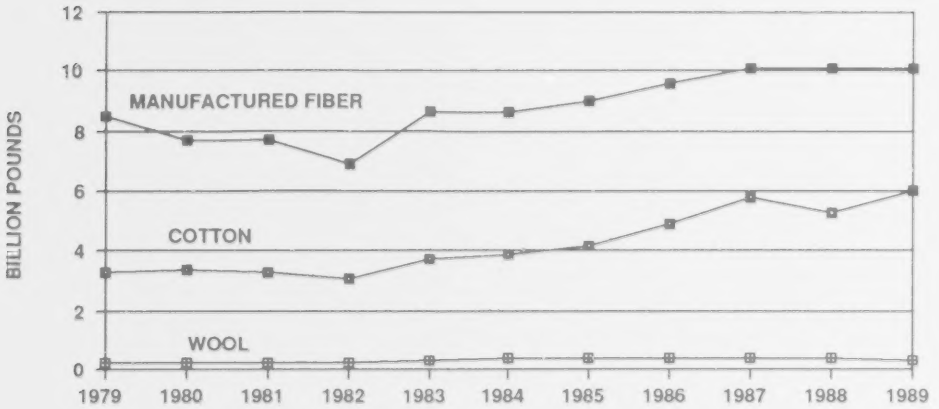


TABLE 5:
MANUFACTURED FIBER PRODUCTION

ANNUALLY 1961 - 1989
MILLION POUNDS

YEAR	ARTIFICIAL (CELLULOSIC)									SYNTHETIC (NONCELL.) FIBER c - g			TOTAL	NON-ADD TOTAL GLASS FIBER [h]
	RAYON YARN [a]			ACET YARN [b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A					
	INDUS	TEXT	TOTAL			RAYON	ACET [b]	TOTAL		YARN	STAPLE	TOTAL		
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7
1969	168.6	150.6	319.2	455.2	774.7	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2
1983	25.0	11.2	36.2	227.6	263.8	374.8	1.4	376.2	640.0	3567.8	3970.6	7538.4	8178.4	1167.2
1984	28.8	12.1	40.9	198.2	239.1	389.2	0.4	389.6	628.7	3524.4	3947.3	7471.7	8100.4	1394.0
1985	NA	NA	NA	NA	204.6	352.7	0.5	353.2	557.8	3790.2	3773.3	7563.5	8121.3	NA
1986	NA	NA	NA	NA	214.8	403.7	0.5	404.2	619.0	3835.9	3991.8	7827.7	8446.7	NA
1987	NA	NA	NA	NA	191.1	413.8	0.5	414.3	605.4	4009.7	4306.2	8315.9	8921.3	NA
1988	NA	NA	NA	NA	213.9	399.8	NA	399.8	613.7	4180.3	4345.6	8525.9	9139.6	NA
1989	NA	NA	NA	NA	217.5	362.8	NA	362.8	580.3	4225.4	4290.3	8515.7	9096.0	NA

See footnotes on opposite page.

TABLE 6:
SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION DETAIL

MILLION POUNDS

	YARN+MONOFILAMENTS				STAPLE+TOW+FIBERFILL				
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	TOTAL	NYLON[c]	ACRYL[f]	ESTER[e]	OTHER[g]	TOTAL
1961	441.7	18.9	36.6	497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1	627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5	712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1	847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0	997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5	1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8	1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1	1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2	1766.9	223.2	553.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1	1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2	2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	962.9	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1333.0	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1419.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1470.6	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1418.2	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1607.6	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1579.7	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1733.6	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1481.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1591.2	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1230.6	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	3567.8	926.4	670.5	2184.1	189.6	3970.6
1984	1577.3	747.1	1200.0	3524.4	834.8	670.8	2191.8	249.9	3947.3
1985	1514.8	954.5	1320.9	3790.2	827.7	630.8	2020.1	294.7	3773.3
1986	1605.5	1057.7	1172.7	3835.9	908.3	615.9	2132.3	335.3	3991.8
1987	1697.2	1133.8	1178.7	4009.7	992.4	591.5	2361.8	360.5	4306.2
1988	1727.5	1224.1	1228.7	4180.3	941.7	588.1	2451.8	364.0	4345.6
1989	1759.2	1257.2	1209.0	4225.4	980.7	542.7	2385.3	381.6	4290.3

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

NA No longer available.

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the quantities produced for cigarette filtration purposes.

c. Excludes aramid in 1983-1988.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester. Also includes other yarn which is chiefly saran and spandex through 1982.

f. Includes modacrylic.

g. Other staple+tow includes only olefin and vinyon for recent years. Vinyon is excluded in 1987 - 1989. Earlier years' data are on pages 8 & 9 of the January 1962 ORGANON Base Book issue and page 4 of the January-February 1971issue.

h. Includes both textile and non-textile types of glass.

TABLE 7:
ARTIFICIAL (CELLULOSIC) MANUFACTURED FIBER DISTRIBUTION

ANNUALLY 1961 - 1989
MILLION POUNDS

YEAR	YARN+MONOFILAMENTS							STAPLE+TOW							TOTAL GLASS FIBER[b]				
	PRODUCERS' SHIPMENTS					IM-PORTS	DO-MESTIC CONS	PRODUCERS' SHIPMENTS					IM-PORTS	DO-MESTIC CONS	PRODUCERS' SHIPMENTS			IM-PORTS	DO-MESTIC CONS
	TO DOM. CONSUMERS[a b]			EX-PORTS	TOTAL			TO DOM. CONSUMERS			EX-PORTS	TOTAL			DO-MESTIC	EX-PORTS	TOTAL		
	RAYON	ACET	TOTAL					RAYON	ACET[b]	TOTAL									
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	441.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	--	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	35.5	197.6	233.1	28.2	261.3	8.7	241.8	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1
1984	38.2	180.1	218.3	18.2	236.5	10.0	228.3	331.9	0.4	332.3	52.1	384.4	17.0	349.3	1250.7	58.0	1308.7	23.1	1273.8
1985	NA	NA	187.1	23.0	210.1	13.9	201.0	323.7	0.5	324.2	35.0	359.2	12.3	336.5	NA	NA	1259.6	34.7	NA
1986	NA	NA	192.1	20.2	212.3	17.0	209.1	373.0	0.5	373.5	30.8	404.3	17.4	390.9	NA	NA	1339.3	23.7	NA
1987	NA	NA	166.8	24.9	191.7	12.8	179.6	383.1	0.5	383.6	32.4	416.0	13.8	397.4	NA	NA	1513.1	29.4	NA
1988	NA	NA	182.6	34.1	216.7	17.6	200.2	386.0	NA	386.0	20.5	406.5	20.4	406.4	NA	NA	1587.6	26.2	NA
1989	NA	NA	187.3	31.7	219.0	25.4	212.7	338.2	NA	338.2	16.2	354.4	54.0	392.2	NA	NA	1553.5	NA	NA

See footnotes on opposite page.

TABLE 8:
SYNTHETIC (NONCELLULOSIC) MANUFACTURED FIBER DISTRIBUTION
ANNUALLY 1961 - 1989
MILLION POUNDS

	YARN+MONOFILAMENTS								STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS								PRODUCERS' SHIPMENTS								
	TO DOMESTIC CONSUMERS								TO DOMESTIC CONSUMERS								
YEAR	NYLON [c]	OLEFIN [d]	ESTER [e]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS	NYLON [c]	ACRYL [f]	ESTER [e]	OTH [g]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS
1961	419.0	17.5	36.1	472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1	563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9	648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6	793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2	919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	94.8	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	144.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	237.2	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	364.5	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	443.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	646.9	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	946.8	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1546.7	395.4	1333.6	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1307.2	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1489.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1385.9	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1525.6	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1523.1	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1542.1	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1381.4	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1450.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1151.3	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3
1984	1438.1	725.6	1144.9	3308.6	189.0	3497.6	90.0	3398.6	814.4	446.7	1992.2	240.9	3494.2	442.4	3936.6	131.1	3625.3
1985	1417.4	937.6	1204.2	3559.2	240.2	3799.4	104.6	3663.8	830.3	458.7	1872.7	279.7	3441.4	372.8	3814.2	159.4	3600.8
1986	1479.6	1049.2	1092.4	3621.2	200.6	3821.8	126.1	3747.3	894.9	531.2	1998.6	312.7	3737.4	239.8	3977.2	182.8	3920.2
1987	1554.3	1135.5	1113.4	3803.2	214.7	4017.9	123.9	3927.1	966.0	479.3	2201.0	341.1	3987.4	325.6	4313.0	189.0	4176.4
1988	1572.4	1199.8	1157.4	3929.6	260.5	4190.1	116.3	4045.9	944.9	421.1	2311.8	344.2	4022.0	244.8	4366.8	196.2	4218.2
1989	1575.3	1226.0	1110.7	3912.0	237.9	4149.9	182.2	4094.2	955.3	414.8	2261.3	363.4	3994.8	253.3	4248.1	192.4	4187.2

NA No longer available.

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns, sewing thread, sliver, tops & roving and waste.

a - h. See these lettered footnotes on page 55.

Synthetic (noncellulosic) data from 1940 are on page 5 of the January - February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 *Organon* Base Book.

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																				
	ARTIFICIAL (CELLULOSIC) FIBER											SYNTHETIC (NONCELLULOSIC) FIBER									
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10,	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3214.8	53.8	3268.6	2553.5	55.2	2608.7	228.7	25.0	50.0	203.7	6081.0
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3085.8	262.3	30.5	70.2	222.6	6519.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.5	40.3	123.7	178.1	7845.6
1987	166.8	12.8	179.6	383.6	13.8	397.4	9.6	0.1	1.1	8.6	585.6	3803.2	123.9	3927.1	3987.4	189.0	4176.4	239.1	47.0	113.5	172.6	8276.1
1988	182.6	17.6	200.2	386.0	20.4	406.4	7.8	+	2.0	5.8	612.4	3929.6	116.3	4045.9	4022.0	196.2	4218.2	244.8	40.5	144.4	140.9	8405.0
1989	187.3	25.4	212.7	338.2	54.0	392.2	6.0	0.6	11.6	-5.0	599.9	3912.0	182.2	4094.2	3994.8	192.4	4187.2	188.5	48.0	141.4	95.1	8376.5

Continued on opposite page.

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

YEAR	MILL CONSUMPTION OF 4 FIBERS: MANUFACTURED FIBER LB	%	COTTON LB	%	WOOL LB	%	SILK LB	%	TOTAL LB	%	DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS: MANUFAC. FIBER IMP	EXP	CONS	COTTON IMP	EXP	CONS	WOOL IMP	EXP	CONS	TOTAL IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
1975	6883.0	*68.3*	3068.7	*30.4*	132.0	*1.3*	1.0	--	10084.7	*100.0*	400.4	322.4	6961.0	501.3	353.7	3216.3	48.6	19.2	161.4	950.3	695.3	10339.7
1976	7374.9	*67.6*	3389.0	*31.1*	145.9	*1.3*	2.8	--	10912.6	*100.0*	479.5	352.2	7502.2	708.6	413.2	3684.4	66.7	13.9	198.7	1254.8	779.3	11388.1
1977	8096.2	*71.0*	3169.8	*27.8*	133.9	*1.2*	1.6	--	11401.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.7	11938.8
1978	8341.0	*72.4*	3040.4	*26.4*	141.6	*1.2*	2.0	--	11525.0	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12296.2
1979	8523.4	*72.7*	3066.4	*26.2*	134.4	*1.1*	1.5	--	11725.7	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	11988.8
1980	7885.7	*71.2*	3064.4	*27.6*	137.8	*1.2*	1.0	--	11088.9	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11207.1
1981	7721.5	*72.9*	2730.8	*25.7*	152.7	*1.4*	2.0	--	10607.0	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11284.3
1982	6653.5	*71.8*	2478.9	*26.8*	129.5	*1.4*	2.0	--	9263.9	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10256.4
1983	7994.5	*73.0*	2795.7	*25.5*	162.5	*1.5*	1.6	--	10954.3	*100.0*	1069.5	460.7	8603.3	1135.5	219.6	3711.6	149.8	11.6	300.7	2354.8	691.9	12617.2
1984	7789.5	*73.4*	2668.2	*25.1*	163.2	*1.5*	1.4	--	10622.3	*100.0*	1342.6	487.9	8644.2	1465.6	206.1	3927.7	210.2	12.0	361.4	3018.4	706.0	12934.7
1985	8035.5	*73.3*	2796.0	*25.5*	134.7	*1.2*	1.5	--	10967.7	*100.0*	1491.0	499.1	9027.4	1629.2	213.2	4212.0	264.8	17.3	381.7	3385.0	730.1	13622.6
1986	8453.9	*70.9*	3301.7	*27.7*	164.5	*1.4*	1.0	--	11921.1	*100.0*	1703.0	519.3	9637.6	1910.5	274.8	4937.4	275.6	16.0	424.1	3889.1	810.1	15000.1
1987	8861.7	*69.4*	3736.5	*29.3*	167.6	*1.3*	1.0	--	12766.8	*100.0*	1805.4	591.9	10075.2	2335.7	298.0	5774.2	258.3	21.3	404.6	4399.4	911.2	16255.0
1988	9017.4	*71.4*	3470.1	*27.4*	156.1	*1.2*	1.0	--	12644.6	*100.0*	1735.7	684.6	10068.5	2118.8	330.2	5258.7	242.4	30.6	367.9	4096.9	1045.4	15696.1
1989	8976.4	*68.7*	3937.1	*30.1*	153.9	*1.2*	1.0	--	13068.4	*100.0*	*1820.0	*740.0	*10056.4	*2440.0	*360.0	*6017.1	*215.0	*33.0	*335.9	*4475.0	*1133.0	*16410.4

NOTE Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.
This table, expanded to include the New MFA Fibers, will be reproduced in a forthcoming issue.

* **Preliminary estimates derived from Department of Commerce data.**

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 & 4: This issue on page 56.
12 & 15: This issue on page 57.
7 & 18: This issue on page 60.
2: For 1975 - 1988: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610.
For 1989: Import Classes 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.30.00, 5403.20.60.00, 5403.31.00.20 - 5403.39.00.40, 5403.41.10.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.
5: For 1975 - 1988: Import Classes 309.3010, .3310, .4320 & .4325.
For 1989: Import Classes 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00.
8: For 1975 - 1988: Import Classes 309.6615 & .7510.
For 1989: Import Class 5505.20.00.00.
9: For 1975 - 1988: Export Class 309.7400.
For 1989: Export Class 5505.20.00.00.
13: For 1975 - 1988: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650.
For 1989: Import Classes 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.20, 5402.41.00.40, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.
16: For 1975 - 1988: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390.
For 1989: Import Classes 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.
19: For 1975 - 1988: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555.
For 1989: Import Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.
20: For 1975 - 1988: Export Classes 309.7620, .7630, .7640 & .7660.
For 1989: Export Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.
24: U.S. Census Bureau Report M22P.
25: U.S. Census Bureau Report M22D.
26: For 1975 - 1988: Import Classes 308.0200 - .2000.
28, 29, 31, 32, 34 & 35: ***Cotton and Wool Outlook & Situation,*** U.S. Department of Agriculture.

CERTAIN TOTALS IN THE TABLES:
(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)
10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35

TABLE 10:
PRODUCERS' WASTE SHIPMENTS
MILLION POUNDS

YEAR	RAYON	SYNTHETIC (NONCELL.)
1964	49.0	45.9
1965	51.5	55.2
1966	44.6	66.5
1967	36.1	92.8
1968	44.3	122.3
1969	39.4	140.3
1970	34.5	136.3
1971	36.3	157.8
1972	38.5	202.7
1973	36.8	274.8
1974	29.9	246.4
1975	13.2	228.7
1976	14.7	262.3
1977	18.5	291.0
1978	15.7	263.9
1979	17.2	238.6
1980	13.5	170.2
1981	15.3	174.2
1982	10.7	173.2
1983	9.4	214.1
1984	11.4	216.9
1985	8.8	260.2
1986	10.4	261.5
1987	9.6	239.1
1988	7.8	244.8
1989	6.0	188.5

TABLE 11:
RAW COTTON CONSUMPTION
BALES [a]

MONTH	1981	1982	1983	1984	1985	1986	1987	1988	1989
JANUARY	435	378	404	469	389	595	546	568	554
FEBRUARY	446	398	430	447	405	499	562	590	572
MARCH	539	492	549	547	504	492	734	738	734
APRIL	433	409	431	430	406	620	573	556	611
MAY	441	392	441	442	426	503	586	551	631
JUNE	531	460	543	501	521	489	708	662	781
JULY	385	317	369	354	366	522	518	433	545
AUGUST	429	386	453	415	458	534	614	563	680
SEPTEMBER	517	474	560	494	562	523	753	676	828
OCTOBER	448	416	459	415	493	683	621	538	664
NOVEMBER	403	390	446	382	477	529	606	509	617
DECEMBER	400	425	468	408	480	568	610	554	653
TOTAL	5407	4937	5553	5304	5487	6557	7431	6938	7870

SOURCE: U.S. Department of Commerce, Bureau of the Census Report M22P.

a. Running Bales of 500 lbs. net.

TABLE 12:
RAW SILK DELIVERIES
BALES [a]

MONTH	1981	1982	1983	1984	1985	1986	1987	1988	1989
JANUARY	471	450	280	715	462	410	411	292	358
FEBRUARY	380	489	506	537	689	504	680	430	234
MARCH	471	662	390	455	344	197	572	559	471
APRIL	446	398	462	315	480	244	526	317	329
MAY	322	234	717	636	415	225	245	302	405
JUNE	529	369	377	655	NA	227	447	189	564
JULY	300	495	264	229	NA	555	253	203	353
AUGUST	259	403	474	672	NA	NA	327	613	401
SEPTEMBER	348	364	534	532	NA	NA	330	310	288
OCTOBER	414	226	529	562	NA	NA	470	126	317
NOVEMBER	487	514	587	391	NA	NA	239	367	475
DECEMBER	611	317	324	538	NA	NA	448	108	442
TOTAL	5038	4921	5444	6237	4813	4272	4948	3816	4637

SOURCE: International Silk Association.
NA Monthly data not available.

a. Average Bale weight 132 lbs.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1990	1989
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	242												242	114
TEXTURED	54												54	180
OTHER	1385												1385	1767
MONOFILAMENTS & STRIPS	150												150	96
SUBTOTAL ABOVE	1831												1831	2157
STAPLE	5989												5989	5924
TOW	312												312	47
TOPS	3												3	6
SUBTOTAL ABOVE	6304												6304	5977
WASTE	0												0	18
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1435												1435	1037
TEXTURED														
UP TO 450 DENIER	270												270	385
OVER 450 DENIER	2936												2936	1311
OTHER	4531												4531	3820
MONOFILAMENTS & STRIPS	216												216	72
SUBTOTAL ABOVE	9388												9388	6625
POLYESTER														
HIGH TENACITY	614												614	957
TEXTURED	785												785	883
POY	719												719	0
OTHER	2038												2038	1152
MONOFILAMENTS & STRIPS	53												53	65
SUBTOTAL ABOVE	4209												4209	3057
OTHER SYNTHETIC FILAMENT														
TEXTURED	1451												1451	2057
OTHER	277												277	261
MONOFILAMENTS & STRIPS	611												611	147
SUBTOTAL ABOVE	2339												2339	2465
STAPLE														
NYLON	4048												4048	1726
POLYESTER	9261												9261	5584
ACRYLIC	1711												1711	1934
POLYPROPYLENE	543												543	44
OTHER	196												196	172
TOW														
NYLON	409												409	237
POLYESTER	15												15	47
ACRYLIC	2512												2512	2023
OTHER	70												70	117
TOPS	102												102	488
SUBTOTAL ABOVE	18867												18867	12372
WASTE														
NYLON	2694												2694	1971
POLYESTER	2703												2703	999
OTHER	444												444	396
TOTAL MANUFACTURED FIBERS ABOVE	48779												48779	36037
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	115												115	229
SPUN YARN	427												427	492
SPUN YARNS														
SYNTHETIC	2420												2420	4960
ARTIFICIAL	0												0	0
PUT UP FOR RETAIL SALE	32												32	71
GRAND TOTAL ABOVE	51773												51773	41789

SOURCE: U.S. Census Bureau Report IM145X.

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	92												92	9
TEXTURED	217												217	463
OTHER	101												101	694
MONOFILAMENTS & STRIPS	97												97	90
SUBTOTAL ABOVE	507												507	1256
STAPLE	1195												1195	2827
TOPS	333												333	94
SUBTOTAL ABOVE	1528												1528	2921
WASTE	330												330	1303
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	7757												7757	9331
TEXTURED														
UP TO 450 DENIER	1571												1571	522
OVER 450 DENIER	5636												5636	4706
OTHER	2637												2637	2038
MONOFILAMENTS & STRIPS	8												8	239
SUBTOTAL ABOVE	17609												17609	16836
POLYESTER														
HIGH TENACITY	4308												4308	3031
TEXTURED	3074												3074	3651
POY	1831												1831	939
OTHER	1297												1297	1007
MONOFILAMENTS & STRIPS	185												185	208
SUBTOTAL ABOVE	10695												10695	8836
OTHER SYNTHETIC FILAMENT														
TEXTURED	535												535	1033
OTHER	2035												2035	1342
MONOFILAMENTS & STRIPS	876												876	486
SUBTOTAL ABOVE	3446												3446	2861
STAPLE														
NYLON	3163												3163	2605
POLYESTER	7157												7157	14048
ACRYLIC	4584												4584	3326
POLYPROPYLENE	2038												2038	1336
OTHER	2688												2688	836
TOW														
NYLON	121												121	31
POLYESTER	18												18	37
ACRYLIC	1710												1710	1037
OTHER	26												26	161
TOPS	3984												3984	847
SUBTOTAL ABOVE	25489												25489	24264
WASTE														
NYLON	4117												4117	2127
POLYESTER	3268												3268	4369
OTHER	3343												3343	5113
TOTAL MANUFACTURED FIBERS ABOVE	70332												70332	69886
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	2769												2769	13
SPUN YARN	235												235	0
SPUN YARNS														
SYNTHETIC	3007												3007	2886
ARTIFICIAL	0												0	0
PUT UP FOR RETAIL SALE	287												287	606
GRAND TOTAL ABOVE	76630												76630	73391

SOURCE: U.S. Census Bureau Report EM522

TABLE 15:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1990	1989
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	67												67	0
BRAZIL	26												26	53
CANADA	628												628	745
CHILE	0												0	44
GERMANY, FED. REP. OF	422												422	794
IRELAND	145												145	37
JAPAN	104												104	56
KOREA, REP. OF	0												0	66
MEXICO	102												102	156
NETHERLANDS	282												282	61
UNITED KINGDOM	34												34	99
ALL OTHER COUNTRIES [a]	21												21	46
TOTAL ARTIFICIAL YARN	1831												1831	2157
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	319												319	323
CANADA	4973												4973	4757
CHINA, PRC	0												0	104
GERMANY, DEM. REP.	0												0	0
GERMANY, FED. REP. OF	89												89	68
JAPAN	143												143	150
SWITZERLAND	0												0	9
TAIWAN	354												354	28
UNITED KINGDOM	89												89	265
ALL OTHER COUNTRIES [b]	337												337	273
TOTAL ARTIFICIAL STAPLE+TOW	6304												6304	5977
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
ARGENTINA	0												0	0
BELGIUM	776												776	0
BRAZIL	70												70	106
CANADA	3834												3834	3437
COSTA RICA	762												762	252
ECUADOR	53												53	91
FRANCE	2007												2007	1180
GERMANY, FED. REP. OF	2096												2096	2231
ISRAEL	0												0	299
ITALY	892												892	924
JAPAN	760												760	469
KOREA, REP. OF	31												31	10
MEXICO	1393												1393	1447
NETHERLANDS	103												103	68
SINGAPORE	16												16	0
TAIWAN	791												791	50
THAILAND	58												58	65
UNITED KINGDOM	1881												1881	1482
ALL OTHER COUNTRIES [c]	413												413	36
TOTAL SYNTHETIC YARN	15936												15936	12147
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0												0	0
AUSTRALIA	38												38	31
BELGIUM	1												1	47
CANADA	3703												3703	1413
FRANCE	592												592	230
GERMANY, FED. REP. OF	1017												1017	1985
INDIA	1731												1731	0
IRELAND	0												0	280
ITALY	422												422	482
JAPAN	1754												1754	1773
KOREA, REP. OF	1786												1786	2297
MEXICO	3590												3590	1049
NETHERLANDS	1												1	31
SPAIN	35												35	8
SWITZERLAND	399												399	146
TAIWAN	888												888	262
TURKEY	112												112	18
UNITED KINGDOM	2249												2249	2318
ALL OTHER COUNTRIES [d]	549												549	2
TOTAL SYNTHETIC STAPLE+TOW	18867												18867	12372

a. Italy 11, France 4, Taiwan 2, Uruguay 2, Hong Kong 1, Thailand 1.
b. Poland 124, Sweden 118, Thailand 47, France 26, Netherlands 19, Italy 2, France 1.
c. Spain 114, Paraguay 83, Portugal 62, Ireland 39, Hong Kong 31, Finland 21, Turkey 17, Morocco 12, Sweden 10, Switzerland 9, Yugoslavia 8, Austria 4, Haiti 3.
d. Venezuela 395, Thailand 110, Malaysia 44.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 REVISED												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1989	1988
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	17.3	17.1	18.4	21.5	18.3	18.4	18.9	17.8	17.3	19.9	14.8	19.3	219.0	216.7
RAYON STAPLE	34.5	32.1	36.5	31.4	34.8	30.9	24.8	29.4	26.7	26.8	24.7	21.8	354.4	406.5
TOTAL ARTIFICIAL (CELLULOSIC)	**51.8**	**49.2**	**54.9**	**52.9**	**53.1**	**49.3**	**43.7**	**47.2**	**44.0**	**46.7**	**39.5**	**41.1**	**573.4**	**623.2**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	31.3	30.5	32.6	32.3	28.9	32.7	29.1	29.2	28.6	28.8	28.7	31.8	364.5	375.2
- CARPET	74.9	77.2	82.0	77.5	86.1	78.5	73.4	89.9	88.7	79.5	78.7	81.3	967.7	976.2
- TEXTILE [f]	33.9	33.2	35.0	34.6	33.8	34.2	31.8	32.3	32.7	33.0	32.7	32.7	399.9	387.0
POLYESTER - INDUSTRIAL[d]	28.6	29.7	30.9	32.2	30.4	32.8	29.8	32.5	29.2	30.3	26.4	32.5	365.3	360.2
- TEXTILE[f]	73.2	71.2	74.4	78.2	77.0	66.1	72.5	54.9	58.5	62.5	55.7	59.8	804.0	871.9
OLEFIN[e]	105.3	104.3	103.6	104.1	112.3	105.5	94.8	107.0	107.0	107.2	103.3	94.1	1248.5	1219.6
TOTAL YARN	**347.2**	**346.1**	**358.5**	**358.9**	**368.5**	**349.8**	**331.4**	**345.8**	**344.7**	**341.3**	**325.5**	**332.2**	**4149.9**	**4190.1**
STAPLE+TOW+FIBERFILL														
NYLON	82.3	78.4	88.8	76.4	81.3	78.3	74.9	90.8	85.5	85.9	81.9	74.0	978.5	963.9
ACRYLIC+MODACRYLIC	41.7	46.2	48.6	49.2	51.7	44.0	41.1	47.6	44.1	44.0	42.1	37.1	537.4	590.2
POLYESTER	205.8	192.1	212.4	214.3	208.1	193.9	182.3	198.8	182.0	200.9	182.9	181.3	2354.8	2448.9
OLEFIN	31.1	31.6	32.0	31.4	32.3	33.5	27.8	33.9	33.1	33.3	29.1	28.3	377.4	363.8
TOTAL STAPLE	**360.9**	**348.3**	**381.8**	**371.3**	**373.4**	**349.7**	**326.1**	**371.1**	**344.7**	**364.1**	**336.0**	**320.7**	**4248.1**	**4366.8**
TOTAL SYNTHETIC (NONCELLULOSIC)	**708.1**	**694.4**	**740.3**	**730.2**	**741.9**	**699.5**	**657.5**	**716.9**	**689.4**	**705.4**	**661.5**	**652.9**	**8398.0**	**8556.9**
TOTAL MANUFACTURED FIBER	**759.9**	**743.6**	**795.2**	**783.1**	**795.0**	**748.8**	**701.2**	**764.1**	**733.4**	**752.1**	**701.0**	**694.0**	**8971.4**	**9180.1**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.7	10.9	11.3	10.4	9.7	8.9	11.0	10.7	11.6	10.2	8.9	9.9	9.9	11.4
RAYON STAPLE	13.0	13.2	11.7	12.5	13.4	15.8	16.8	16.3	18.1	18.0	19.2	22.4	22.4	14.0
TOTAL ARTIFICIAL (CELLULOSIC)	**24.7**	**24.1**	**23.0**	**22.9**	**23.1**	**24.7**	**27.8**	**27.0**	**29.7**	**28.2**	**28.1**	**32.3**	**32.3**	**25.4**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.4	24.8	22.4	22.9	24.2	24.5	26.7	27.3	28.7	30.4	25.8	31.1	31.1	22.3
- CARPET	63.5	63.2	62.8	68.7	64.0	66.8	73.6	59.3	54.6	51.5	56.6	63.8	63.8	57.3
- TEXTILE [f]	47.1	48.3	46.4	47.0	47.4	49.2	52.7	54.1	56.3	55.3	53.6	57.5	57.5	45.7
POLYESTER - INDUSTRIAL[d]	35.0	31.4	30.6	31.6	30.9	31.9	33.9	32.3	33.2	33.9	35.6	36.8	36.8	35.0
- TEXTILE[f]	73.5	76.9	81.8	85.1	85.0	89.1	99.7	115.7	116.8	117.7	120.5	108.9	108.9	70.9
OLEFIN[e]	53.1	53.8	58.0	57.8	58.5	60.7	61.1	60.6	62.3	62.6	65.3	66.1	66.1	57.4
TOTAL YARN	**296.6**	**298.4**	**302.0**	**313.1**	**310.0**	**322.2**	**347.7**	**349.3**	**351.9**	**351.4**	**357.4**	**364.2**	**364.2**	**288.6**
STAPLE+TOW+FIBERFILL														
NYLON	51.8	52.9	51.0	57.5	57.5	57.0	59.1	46.9	46.8	48.8	50.5	49.8	49.8	47.5
ACRYLIC+MODACRYLIC	70.5	68.3	69.0	67.3	65.2	69.7	71.7	69.3	66.3	67.2	64.0	66.5	66.5	61.2
POLYESTER	163.5	163.8	158.5	164.4	176.2	191.0	226.5	233.6	218.9	219.7	204.4	189.9	189.9	159.4
OLEFIN	31.0	31.3	32.8	34.3	35.2	33.3	34.2	34.1	30.5	33.2	34.2	34.6	34.6	30.3
TOTAL STAPLE	**316.8**	**316.3**	**311.3**	**323.5**	**334.1**	**351.0**	**391.5**	**383.9**	**362.5**	**368.9**	**353.1**	**340.8**	**340.8**	**298.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**613.4**	**614.7**	**613.3**	**636.6**	**644.1**	**673.2**	**739.2**	**733.2**	**714.4**	**720.3**	**710.5**	**705.0**	**705.0**	**587.0**
TOTAL MANUFACTURED FIBER	**638.1**	**638.8**	**636.3**	**659.5**	**667.2**	**697.9**	**767.0**	**760.2**	**744.1**	**748.5**	**738.6**	**737.3**	**737.3**	**612.4**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.1	12.8	14.1	11.5	11.5	12.3	10.6	10.9	11.7	9.9	9.9	10.7	138.0	140.7
CARPET CLASS WOOL	0.8	1.4	1.5	1.6	1.6	1.3	1.2	1.5	1.7	1.3	1.0	1.0	15.9	15.4
TOTAL RAW WOOL	**12.9**	**14.2**	**15.6**	**13.1**	**13.1**	**13.6**	**11.8**	**12.4**	**13.4**	**11.2**	**10.9**	**11.7**	**153.9**	**156.1**
RAW COTTON	289.5	301.0	339.2	305.7	362.3	343.5	286.8	341.0	400.7	332.7	324.0	310.7	3937.1	3470.1

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.

TABLE 17:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA 1988				QUARTERLY DATA 1989			
		1986	1987	1988	1989	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN		*(N) NYLON*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY [b]	N	95.1	93.2	100.3	j	23.1	24.9	23.9	28.4	j	j	j	j
OTHER CIRCULAR KNIT [c]	N	21.3	25.3	26.4	139.1	7.1	6.4	6.7	6.2	32.5	33.8	34.8	38.0
	P	150.3	102.8	119.5	130.0	25.6	28.2	27.9	37.8	40.4	32.8	30.2	26.6
	C	2.0	1.1	0.6	0.5	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
FLAT KNIT	C	47.8	27.9	24.3	21.4	5.7	7.7	5.8	5.1	6.1	7.5	3.7	4.1
	N	133.8	131.4	133.4	125.2	31.2	33.1	33.2	35.9	36.0	34.4	29.8	25.0
	P	167.1	162.5	162.1	181.0	39.2	43.0	38.6	41.3	46.0	47.7	44.5	42.8
CARPET FACE	N	881.4	916.0	38.3	932.3	228.2	233.8	241.2	235.1	225.0	233.8	243.7	229.8
	O	215.7	244.5	266.6	249.9	65.1	67.9	67.2	66.4	69.0	63.3	60.2	57.4
CARPET BACKING [d]	O	404.1	425.3	427.0	463.4	107.9	113.0	102.1	104.0	105.4	123.4	120.6	114.0
OTHER BROAD WOVEN [e]	C	126.3	122.8	141.9	149.4	31.0	35.2	36.0	39.7	35.6	38.5	37.8	37.5
	N	76.2	79.4	78.3	88.8	20.3	17.6	19.8	20.6	21.1	22.6	21.9	23.2
	P	344.4	379.4	391.3	368.7	89.8	95.5	94.0	112.0	100.7	106.8	81.6	79.6
	O	271.5	317.7	337.3	337.5	85.0	84.0	82.5	85.8	88.8	84.3	83.6	80.8
NARROW WOVEN [f]	C	2.0	2.2	4.4	4.4	1.5	1.1	0.9	0.9	1.7	0.8	1.0	0.9
	N	33.9	42.1	42.0	36.9	11.1	11.1	9.9	9.9	9.5	10.2	8.4	8.8
	P	44.0	66.2	81.0	76.4	15.2	18.9	17.8	29.1	18.8	23.2	20.0	14.4
	O	17.5	17.7	19.0	19.8	4.7	4.8	4.8	4.7	4.8	4.7	5.2	5.1
TIRES, INCL. CHAFER [g]	N	134.2	143.0	132.2	135.7	34.5	33.1	31.2	33.4	34.3	33.6	32.6	35.2
	P	159.3	162.8	171.8	169.3	41.3	44.2	43.4	42.9	41.7	43.6	42.3	41.7
OTHER RUBBER INDUSTRY [c g]	N	15.2	16.4	20.4	18.1	5.5	4.7	4.9	5.3	4.5	4.4	5.0	4.2
	P	27.2	34.5	25.2	32.7	6.7	6.2	6.2	6.1	6.3	8.2	8.9	9.3
ROPE, CORDAGE & FISHLINE	N	36.4	37.9	36.4	34.2	9.7	9.7	8.2	8.8	8.8	9.2	7.9	8.3
	P	13.0	13.4	12.5	14.4	3.7	3.1	2.4	3.3	3.2	3.8	3.5	3.9
	O	106.3	106.7	120.3	125.6	33.3	30.5	24.5	32.0	33.5	30.4	24.9	36.8
ALL OTHER [h]	C	14.0	12.8	11.4	11.6	3.0	3.1	3.0	2.3	2.4	3.4	3.0	2.8
	N	52.1	69.6	64.7	65.0	17.1	21.0	12.1	14.5	16.2	17.7	16.8	14.3
	P	187.1	191.8	194.0	138.2	45.2	52.8	47.9	48.1	34.9	37.5	33.1	32.7
	O	34.1	23.6	29.6	29.8	7.5	7.5	7.7	6.9	6.5	9.4	7.1	6.8
TOTAL ABOVE	C	192.1	166.8	182.6	187.3	41.4	47.3	45.8	48.1	46.0	50.3	45.6	45.4
	N	1479.6	1554.3	1572.4	1575.3	387.8	395.4	391.1	398.1	387.9	399.7	400.9	386.8
	P	1092.4	1113.4	1157.4	1110.7	266.7	291.9	278.2	320.6	292.0	303.6	264.1	251.0
	O	1049.2	1135.5	1199.8	1226.0	303.5	307.7	288.8	299.8	308.0	315.5	301.6	300.9
TOTAL DOMESTIC		3813.3	3970.0	4112.2	4099.3	999.4	1042.3	1003.9	1066.6	1033.9	1069.1	1012.2	984.1
ALSO DIVIDED AS													
APPAREL		*962.4*	*930.2*	*941.2*	*924.7*	*223.0*	*237.0*	*226.0*	*255.2*	*253.4*	*253.3*	*217.1*	*200.9*
HOME FURNISHINGS		*1738.0*	*1838.4*	*1902.6*	*1927.2*	*463.0*	*485.0*	*475.1*	*479.5*	*468.6*	*498.1*	*489.9*	*470.6*
INDUSTRIAL		*1112.9*	*1201.4*	*1268.4*	*1247.4*	*313.4*	*320.3*	*302.8*	*331.9*	*311.9*	*317.7*	*305.2*	*312.6*
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		115.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYESTER		634.6	626.3	649.9	597.3	146.7	159.2	153.8	190.2	164.5	164.0	138.7	130.1
OLEFIN		22.9	26.6	24.4	26.0	6.4	6.4	5.5	6.1	6.9	4.5	8.0	6.6

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and cellulosic yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Cellulosic yarn quantities included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Nylon quantities are included in Other Circular Knit.

TABLE 18:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1988				1989			
		1986	1987	1988	1989	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON [h]	*(N) NYLON*		*(A) ACRYLIC+MODACRYLIC*			*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS [a]	A	228.8	192.4	183.2	174.5	47.5	46.7	46.4	42.6	48.4	47.3	41.5	37.3
	NPR	5.0	3.5	2.7	2.1	0.8	0.7	0.6	0.6	0.6	0.4	0.5	0.6
PILE FABRICS [b]	A	23.2	20.8	21.3	20.0	5.0	5.7	5.6	5.0	5.1	6.0	5.0	3.9
	P	15.0	19.7	14.7	15.3	3.9	3.6	3.3	3.9	3.7	4.0	4.1	3.5
OTHER CIRCULAR KNIT + FLAT KNIT [c]	R	4.7	3.7	2.5	NA	0.5	0.3	0.8	0.9	NA	NA	NA	NA
	A	196.3	185.1	139.0	132.4	37.8	39.6	34.2	27.4	35.7	34.9	36.4	25.4
	P	367.8	453.3	470.0	519.5	108.4	112.6	108.5	140.5	127.8	131.4	132.0	128.3
BLANKETS [b]	A	26.7	25.7	25.1	29.8	6.4	5.6	7.9	5.2	7.4	9.3	8.0	5.1
	P	3.7	9.2	6.9	9.2	1.8	1.4	1.6	2.1	2.3	2.9	2.4	1.6
OTHER BROAD WOVEN	R	218.0	230.7	243.0	NA	58.7	60.5	63.5	60.3	NA	NA	NA	NA
	N	37.0	38.7	35.2	32.7	8.7	8.0	8.4	10.1	8.1	7.8	8.7	8.1
	A	35.3	41.7	39.3	40.5	10.4	9.6	8.9	10.4	12.6	11.5	7.9	8.5
	P	885.6	839.2	863.5	821.8	210.7	212.9	205.7	234.2	200.8	226.4	197.6	197.0
	O	18.0	20.2	17.1	33.4	4.6	3.8	3.4	5.3	5.2	9.0	9.1	10.1
CARPET FACE YARNS [f]	R	0.4	+	0.4	NA	0.2	0.1	0	0.1	NA	NA	NA	NA
	N	837.8	905.1	887.7	894.9	225.8	210.5	228.0	223.4	226.3	217.3	230.3	221.0
	P	145.0	209.0	261.2	211.6	66.1	69.0	62.3	63.8	60.1	51.3	48.6	51.6
	O	117.2	116.2	138.2	137.7	30.3	35.4	34.2	38.3	38.5	35.1	32.9	31.2
FIBERFILL [d]	P	294.9	348.6	357.2	349.5	85.3	84.9	92.9	94.1	90.4	93.6	79.2	86.3
FLOCK	NP	5.9	5.5	6.9	7.5	1.6	1.6	1.6	2.1	1.8	1.7	1.7	2.3
	R	1.8	0.9	0.1	NA	+	+	+	0.1	NA	NA	NA	NA
NONWOVENS [e]	R	125.4	124.4	122.3	NA	35.4	36.0	26.7	24.2	NA	NA	NA	NA
	N	2.1	1.9	2.1	2.4	0.4	0.5	0.6	0.6	0.7	0.6	0.6	0.5
	P	175.4	204.2	244.1	271.5	59.7	55.9	59.0	69.5	68.0	71.7	65.8	66.0
	[g] VINYON+O	166.2	198.0	180.9	183.0	46.0	46.9	45.4	42.6	46.1	46.7	46.8	43.4
ALL OTHER	R	20.8	22.7	17.2	NA	6.9	5.0	2.9	2.4	NA	NA	NA	NA
	N	11.9	14.8	13.7	17.8	3.2	3.5	3.1	3.9	5.3	3.8	4.3	4.4
	A	20.9	13.6	13.2	17.4	1.9	2.1	4.3	4.9	3.7	3.4	4.0	6.3
	P	108.3	115.0	91.3	61.0	21.5	31.4	17.3	21.1	21.5	12.9	13.0	13.6
	[g] VINYON+O	11.3	6.7	8.0	9.3	2.9	1.5	1.8	1.8	1.8	2.7	2.6	2.2
TOTAL ABOVE	**R**	**373.0**	**383.1**	**386.0**	**NA**	**101.9**	**102.0**	**94.0**	**88.1**	**NA**	**NA**	**NA**	**NA**
	N	**894.9**	**966.0**	**944.9**	**955.3**	**239.4**	**223.9**	**241.6**	**240.0**	**242.0**	**231.2**	**245.8**	**236.3**
	A	**531.2**	**479.3**	**421.1**	**414.8**	**109.0**	**109.3**	**107.3**	**95.5**	**112.9**	**112.4**	**102.8**	**86.7**
	P	**1998.6**	**2201.0**	**2311.8**	**2261.3**	**558.3**	**572.5**	**551.2**	**629.8**	**575.4**	**594.6**	**543.0**	**548.3**
	[g] VINYON+O	**312.7**	**341.1**	**344.2**	**363.4**	**83.8**	**87.6**	**84.8**	**88.0**	**91.6**	**93.5**	**91.4**	**86.9**
TOTAL DOMESTIC		**4110.4**	**4370.5**	**4408.0**	**3934.8**	**1092.4**	**1095.3**	**1078.9**	**1141.4**	**1021.9**	**1031.7**	**983.0**	**958.2**
ALSO DIVIDED AS													
APPAREL		*1489.3*	*1479.9*	*1421.6*	*1266.8*	*352.6*	*356.4*	*340.5*	*372.1*	*323.3*	*347.1*	*313.4*	*283.0*
HOME FURNISHINGS		*1625.8*	*1755.8*	*1827.5*	*1695.7*	*451.5*	*445.9*	*455.5*	*474.6*	*439.0*	*418.4*	*421.2*	*417.1*
INDUSTRIAL		*995.3*	*1134.8*	*1158.9*	*1032.3*	*288.3*	*293.0*	*282.9*	*294.7*	*259.6*	*266.2*	*248.4*	*258.1*

NA No longer available.

a. Olefin quantities are included in All Other.

b. Rayon and nylon quantities are included in All Other.

c. Nylon quantities are included in All Other.

d. Rayon, acrylic and nylon quantities are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic and nylon quantities are included in All Other.

g. 1987-1989 data exclude Vinyon.

h. Rayon staple+tow data no longer available in 1989.

TABLE 19:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1990	1989
	MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]													
ARTIFICIAL (CELLULOSIC)														
YARN	15.1	15.4											30.5	34.4
RAYON STAPLE	28.9	23.8											52.7	66.6
TOTAL ARTIFICIAL (CELLULOSIC)	44.0	39.2											83.2	101.0
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.9	30.3											55.2	61.8
- CARPET	86.5	81.1											167.6	152.1
- TEXTILE[f]	28.8	28.1											56.9	67.1
POLYESTER - INDUSTRIAL[d]	27.2	28.6											55.8	58.3
- TEXTILE[f]	56.6	56.2											112.8	144.4
OLEFIN[e]	106.1	115.4											221.5	209.6
TOTAL YARN	330.1	339.7											669.8	693.3
STAPLE+TOW+FIBERFILL														
NYLON	88.9	74.9											163.8	160.7
ACRYLIC+MODACRYLIC	40.3	39.6											79.9	87.9
POLYESTER	168.6	177.3											345.9	397.9
OLEFIN	30.3	34.5											64.8	62.7
TOTAL STAPLE	328.1	326.3											654.4	709.2
TOTAL SYNTHETIC (NONCELLULOSIC)	658.2	666.0											1324.2	1402.5
TOTAL MANUFACTURED FIBER	702.2	705.2											1407.4	1503.5
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	9.7	9.9											9.9	10.9
RAYON STAPLE	20.2	17.2											17.2	13.2
TOTAL ARTIFICIAL (CELLULOSIC)	29.9	27.1											27.1	24.1
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	36.8	33.7											33.7	24.8
- CARPET	60.5	61.2											61.2	63.2
- TEXTILE[f]	57.0	59.9											59.9	48.3
POLYESTER - INDUSTRIAL[d]	39.3	40.6											40.6	31.4
- TEXTILE[f]	94.5	104.9											104.9	76.9
OLEFIN[e]	68.9	67.4											67.4	53.8
TOTAL YARN	357.0	367.7											367.7	298.4
STAPLE+TOW+FIBERFILL														
NYLON	40.1	40.5											40.5	52.9
ACRYLIC+MODACRYLIC	69.5	70.9											70.9	68.3
POLYESTER	193.5	195.1											195.1	163.8
OLEFIN	34.6	33.4											33.4	31.3
TOTAL STAPLE	337.7	339.9											339.9	316.3
TOTAL SYNTHETIC (NONCELLULOSIC)	694.7	707.6											707.6	614.7
TOTAL MANUFACTURED FIBER	724.6	734.7											734.7	638.8
	WOOL & COTTON CONSUMPTION													
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														
RAW COTTON														

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producurs' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.